

**Amendments to the Drawings:**

The attached sheet(s) of drawings reflect changes to Figure(s) 6 and 7 and replace the original sheet(s) of these Figure(s).

**Attachments:** Replacement Sheet(s) for Figures 6 and 7.

Annotated Sheet(s) Showing Changes for Figures 6 and 7.

**REMARKS**

Applicant respectfully requests reconsideration of this application in view of the foregoing amendments and following remarks.

**Claim Status**

Claims 1-18 are pending and stand rejected. By this paper, claims 1, 2, 15 and 17 are amended and claims 14, 16 and 18 are canceled without prejudice or disclaimer. No new matter has been added.

**Objections to the Drawings**

The Drawings have been objected to as failing to comply with 37 C.F.R. 1.84(p)(5) because they do not include reference signs 120A and 202A mentioned in the written description.

Applicants have herein amended the specification to correct the identification of reference sign 202a in paragraph [0044] (at line 22 on page 13 of the specification as filed). This reference sign, identified as 202A through an inadvertent typographical error, should be 220A. The specification has been corrected in this regard. This is consistent with the drawings as filed and the drawings do not need revision in this regard. Reference numeral 120A has been added to Figure 6, consistent with the written description (e.g., paragraph [0043] of the published application). In addition, reference numeral 140 has been added to Figs. 6 and 7 for further clarification. Second concave part 140 is also shown in Figs 4 and 5. No new matter has been added. Annotated and Replacement drawings for these figures (6 and 7) are provided. Formal drawings for all figures having been submitted, replacement Formal drawings for Figs. 6 and 7 are also provided hereunder.

Thus, in response to the objection to the drawings, Figs. 6 and 7 and the specification amended as set forth above, the stated objections are overcome or otherwise render moot. Applicant respectfully requested the objections be withdrawn as being hereby satisfied.

**Claim Rejections – 35 U.S.C. §§102 and 103**

Claims 1, 2, 4, 5, 7, 8, 12, 13 and 15-18 were rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by U.S. Patent Application No. 2005/0073663 to Miyajima (“Miyajima”). Claim 14 was rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by U.S. Patent No. 5,716,660 to Mori et al. (“Mori”). Claims 3, 6 and 9-11 were rejected under 35 U.S.C. § 103(a) as allegedly being obvious over Miyajima in view of U.S. Patent Application No. 2001/0013925 to Loopstra et al. (“Loopstra”).

Applicant respectfully disagrees with the characterization of the cited references and of the claims in the above rejections and believe that the claims as pending are patentably distinct from the art of record. Applicant respectfully traverses the stated rejections.

Nonetheless, Applicant has herein amended independent claims 1, 2, 15 and 17 to clarify the claimed invention. The invention as recited in the claims presented herein is believed to be patentably distinct over the art of record in this case for at least the following reasons.

In addition, Applicant has herein canceled rejected claims 14, 16 and 18 without prejudice or disclaimer, rendering the rejections as to these claims moot. Accordingly Applicant respectfully requests that the rejections to claims 14, 16 and 18 be withdrawn.

Regarding independent claims 1, 2, 15 and 17 and the claims depending therefrom, Applicant respectfully submits that none of the cited references, alone or in combination, disclose or suggest the subject matter of amended claim 2, for example, a limitation

of "a base having a :first concave part opposite to the reflecting surface, and a cooling mechanism located in the :first concave part." This limitation allows the cooling mechanism to be located close to a surface of the base, and has an effect of the improved cooling efficiency. Although Loopstra discloses "a concave part to be on the opposite side of the illuminated surface," as pointed out by the Examiner, Loopstra does not disclose a cooling mechanism located in the concave part. Note that the heat shield 540, which is not the cooling mechanism, is located outside the concave part. See Loopstra, FIG. 4 and paragraph 0067. Thus, even if Miyajima is combinable with Loopstra, these references even in combination do not teach at least the above limitation or provide the above effect. This argument is true of amended claims 1, 15 and 17 as well.

The present invention is thus different from Miyajima, Mori and/or Loopstra in at least the foregoing respects.

Applicant has not independently addressed the bases for allowance of the dependent claims because Applicant submits that, in view of the foregoing, the dependent claims are in condition for allowance for at least similar reasons as the independent claim from which they depend. Applicant however, reserves the right to address any individual rejections of the dependent claims should such be necessary or appropriate.

Thus, Applicant believes that independent claims 1, 2, 15 and 17, and consequently the claims dependent therefrom, are not disclosed in nor suggested by, and thus neither anticipated by nor rendered obvious in view of, Miyajima, Mori and/or Loopstra, taken individually or in combination with other art of record, and Applicant respectfully submits that the pending claims are patentably distinct from and allowable over such prior art for at least the foregoing reasons.

Accordingly, because not all claim elements are taught or suggested by either Miyajima, Mori and/or Loopstra taken individually or in combination, the respective rejections of the claims under 35 U.S.C. §§102 and 103 should be withdrawn.

**CONCLUSION**

For at least the above-stated reasons, this application is respectfully asserted to be in condition for allowance. An early and favorable examination on the merits is requested.

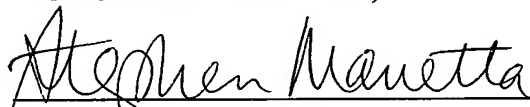
While the no fees or extension of time are required, should an extension of time be necessary to render this filing timely, such is hereby petitioned and the Commissioner is hereby authorized to charge any additional fees that may be required for this paper, or credit any overpayment, to Deposit Account No. 13-4500, Order No. 1232-5283.

If any outstanding issues remain, however, the Examiner is invited to contact the undersigned at the telephone number below.

Respectfully submitted,  
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Dated: November 3, 2005

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